



# 1999 Toxics Release Inventory

# IOWA

## Reported Releases and Waste Management Activities (in pounds)

	Original Industries	New Industries	Total
On-site Releases	29,587,477	13,762,559	43,350,036
Air Emissions	22,476,828	9,145,194	31,622,022
Surface Water Discharges	3,966,598	6,557	3,973,155
Underground Injection Class I Wells	0	0	0
Underground Injection Class II-V Wells	0	0	0
On-site Land Releases to RCRA Subtitle C Landfills	397,177	0	397,177
Other On-site Land Releases	2,746,874	4,610,808	7,357,682
Off-site Releases (Transfers Off-site to Disposal)*	5,078,063	364,330	5,442,393
<b>Total On- and Off-site Releases</b>	<b>34,665,540</b>	<b>14,126,889</b>	<b>48,792,429</b>
Recycled On-site	162,226,099	48,203	162,274,302
Recycled Off-site	36,809,582	327,886	37,137,468
Energy Recovery On-site	1,670,852	0	1,670,852
Energy Recovery Off-site	4,215,416	86,378	4,301,794
Treated On-site	57,597,992	409,114	58,007,106
Treated Off-site**	12,270,344	5,210	12,275,554
Quantity Released On- and Off-site***	38,978,093	14,032,835	53,010,928
<b>Total Production-related Waste Managed</b>	<b>313,768,378</b>	<b>14,909,626</b>	<b>328,678,004</b>
<b>Total Non-production-related Waste Managed</b>	<b>280,436</b>	<b>100</b>	<b>280,536</b>

## Transfers Off-site for Further Waste Management/Disposal

Recycling	36,495,537	327,886	36,823,423
Energy Recovery	3,802,491	83,661	3,886,152
Treatment	4,155,586	4,269	4,159,855
Publicly Owned Treatment Works (POTWs)	8,324,119	0	8,324,119
Metals and Metal Compounds*	206,031	0	206,031
Non-metal TRI Chemicals**	8,118,088	0	8,118,088
Other Off-site Transfers***	5	0	5
Off-site Transfers to Disposal (not including metals to POTWs)	11,189,726	364,340	11,554,066
<b>Total Transfers Off-site for Further Waste Management/Disposal</b>	<b>63,967,464</b>	<b>780,156</b>	<b>64,747,620</b>

\* Transfers to POTWs of metals and metal compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

\*\* Transfers to POTWs of non-metals are included in treated off-site waste management activity.

\*\*\* Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

\*\*\*\* Transfers reported without a valid waste management code.

## For More Information . . .

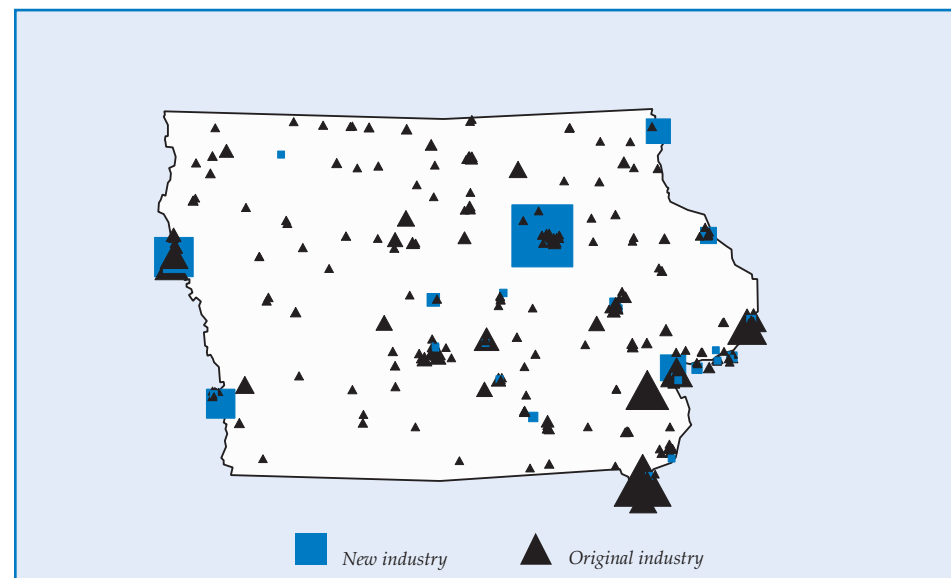
### State Contact:

Stuart Schmitz  
(515) 242-5241  
Fax: (515) 281-8895  
E-mail: stuart.schmitz@dnr.state.ia.us

### EPA Regional Contact:

Stephen Wurtz  
(913) 551-7315  
Fax: (913) 551-7065  
E-mail: wurtz.stephen@epa.gov

To obtain TRI data use  
assistance, call TRI User  
Support Service (TRI-US):  
(202) 260-1531  
Fax: (202) 401-2347



The largest marker in the state map represents the largest facility for on-site releases in the state of Iowa. All markers are proportionally-sized to represent the on-site releases at each facility within this state.

## State/TRI Data

Population	2,869,413
Square Miles	55,875
Total Facilities	416
Total Forms	1,354
Form As	205

	Original Industries	New Industries	Total
<b>National Rank for Total On- and Off-site Releases*</b>			
Rank	25	32	30
Pounds	34,665,540	14,126,889	48,792,429
<b>National Rank for Total On-site Releases**</b>			
Rank	24	30	29
Pounds	29,587,477	13,762,559	43,350,036
<b>National Rank for Total Releases within State***</b>			
Rank	27	32	31
Pounds	31,189,589	14,175,882	45,365,471
<b>National Rank for Production-related Waste Managed</b>			
Rank	24	38	30
Pounds	313,768,378	14,909,626	328,678,004

\* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

\*\* Includes amounts released at the facility. Excludes amounts transferred to other sites.

\*\*\* Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



# 1999 Toxics Release Inventory

# IOWA

## On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Original Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
--	Zinc compounds	97,787	5,603	0	1,468,303	6,242,146	7,813,839	14,908	223,851	6,018,295
7664-41-7	Ammonia	4,959,632	279,856	0	1,750	108,597	5,349,835	0	107,397	1,200
110-54-3	n-Hexane	4,495,221	337	0	0	0	4,495,558	0	0	0
--	Nitrate compounds	24,270	3,579,442	0	36,750	158,824	3,799,286	229	153,424	5,400
1330-20-7	Xylene (mixed isomers)	3,062,240	250	0	336	470	3,063,296	12	200	270
108-88-3	Toluene	1,829,016	2,921	0	0	85	1,832,022	5	77	8
7439-96-5	Manganese	36,287	271	0	1,309,082	377,357	1,722,997	3,386	73,554	303,803
--	Manganese compounds	8,779	1,804	0	0	1,430,543	1,441,126	382	290,450	1,140,093
74-85-1	Ethylene	1,221,600	0	0	0	0	1,221,600	0	0	0
100-42-5	Styrene	1,006,843	757	0	109,508	15,910	1,133,018	0	250	15,660

\* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

\*\* The chemical ranking is based on the amounts in this column.

## On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Seven New Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
--	Barium compounds	118,710	0	0	3,241,529	320,604	3,680,843	30,430	320,609	0
7647-01-0	Hydrochloric acid	3,670,927	0	0	0	0	3,670,927	0	0	0
7664-93-9	Sulfuric acid	3,610,295	0	0	0	0	3,610,295	0	0	0
7664-39-3	Hydrogen fluoride	1,075,900	0	0	0	0	1,075,900	0	0	0
--	Manganese compounds	16,745	0	0	574,747	27,664	619,156	0	27,414	255
7697-37-2	Nitric acid	577,740	0	0	0	0	577,740	0	0	0
--	Zinc compounds	5,472	1,750	0	135,805	0	143,027	21,299	0	0
--	Copper compounds	3,523	1,000	0	134,600	5	139,128	0	0	5
--	Nickel compounds	6,011	1,000	0	110,300	5	117,316	0	0	5
--	Lead compounds	6,920	250	0	110,100	25	117,295	0	15	10

\* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

\*\* The chemical ranking is based on the amounts in this column.



# 1999 Toxics Release Inventory

# IOWA

## On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Original Industries)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Climax Molybdenum Co., Fort Madison, Lee	2,722,615	7,977	0	0	0	650	2,731,242	0	0
IBP Inc., Columbus Junction, Louisa	30,210	1,902,050	0	0	0	250	1,932,510	2,400	250
Equistar Chemicals L.P. Clinton Plant, Clinton, Clinton	1,706,621	0	0	0	0	0	1,706,621	0	0
Nulex, Inc., Sergeant Bluff, Woodbury	6,359	0	0	0	0	1,400,000	1,406,359	0	0
Hon Co. Oak Steel Plant, Muscatine, Muscatine	1,306,017	0	0	0	0	0	1,306,017	0	0
Terra Nitrogen, Sergeant Bluff, Woodbury	975,020	119,205	0	0	0	1,760	1,095,985	0	115,000
Griffin Wheel Co. Keokuk Plant, Keokuk, Lee	35,440	0	0	0	0	1,012,600	1,048,040	3,378	66,454
ADM Corn Processing, Clinton, Clinton	918,592	24,226	0	0	0	0	942,818	270,562	0
Maytag Newton Laundry Prods. Pl2, Newton, Jasper	460,608	462,300	0	0	0	0	922,908	50,272	0
ADM Soybean Processing, Des Moines, Polk	652,664	0	0	0	0	0	652,664	0	0

\*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.

## On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Seven New Industries)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Cedar Falls Utilities Streeter Station, Cedar Falls, Black Hawk	3,848,374	0	0	0	0	0	3,848,374	0	0
George Neal North, Sergeant Bluff, Woodbury	597,775	1,250	0	0	0	1,662,700	2,261,725	15	520
Council Bluffs Energy Center, Council Bluffs, Pottawattamie	529,480	750	0	0	0	1,014,700	1,544,930	15	15
Louisa Generating Station - Midamerican Energy Co., Muscatine, Muscatine	444,040	1,505	0	0	0	878,000	1,323,545	15	0
Lansing Power Station, Lansing, Allamakee	1,173,463	47	0	0	0	64,600	1,238,110	0	0
George Neal South, Salix, Woodbury	449,195	750	0	0	0	779,000	1,228,945	0	0
Dubuque Power Plant, Dubuque, Dubuque	650,520	0	0	0	0	0	650,520	8,936	0
City of Ames Power Plant, Ames, Story	369,985	0	0	0	0	38,000	407,985	0	0
Sixth Street Generating Station, Cedar Rapids, Linn	288,418	0	0	0	0	0	288,418	30,000	0
Fair Station, Montpelier, Muscatine	244,760	0	0	0	0	0	244,760	0	0

\*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 1999 Toxics Release Inventory

# IOWA

## Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Original Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site*	Total Production- related Waste Managed Pounds	Total Non- production- related Waste Managed Pounds
Ipsco Steel Inc., Muscatine, Muscatine	0	0	0	0	0	0	6,759,703	6,759,703	0
Climax Molybdenum Co., Fort Madison, Lee	150,000	0	0	0	500,000	0	2,730,592	3,380,592	0
IBP Inc., Columbus Junction, Louisa	0	0	0	0	117,000	0	1,935,180	2,052,180	107
Equistar Chemicals L.P. Clinton Plant, Clinton, Clinton	0	0	0	986,130	5,747,900	49,002	1,684,952	8,467,984	102,129
Nulex, Inc., Sergeant Bluff, Woodbury	3,014,860	0	0	0	18,023,810	0	1,405,859	22,444,529	7,109
North Star Recycling, Wiltonjunction, Muscatine	0	0	0	0	0	0	1,230,251	1,230,251	0
Adm Corn Processing, Clinton, Clinton	0	0	0	0	172,600	0	1,211,009	1,383,609	0
Terra Nitrogen, Sergeant Bluff, Woodbury	0	0	0	0	0	0	1,106,040	1,106,040	550
Maytag Newton Laundry Prods. Pl2, Newton, Jasper	0	151,400	0	146	533,400	0	983,150	1,668,096	0
ADM Corn Processing, Cedar Rapids, Linn	0	0	0	0	1,143,300	0	856,395	1,999,695	0

\*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

## Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Seven New Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site*	Total Production- related Waste Managed Pounds	Total Non- production- related Waste Managed Pounds
Cedar Falls Utilities Streeter Station, Cedar Falls, Black Hawk	0	0	0	0	0	0	3,848,374	3,848,374	0
George Neal North, Sergeant Bluff, Woodbury	0	0	0	0	0	0	2,267,000	2,267,000	0
Council Bluffs Energy Center, Council Bluffs, Pottawattamie	0	0	0	0	0	0	1,542,200	1,542,200	0
Louisa Generating Station - Midamerican Energy Co., Muscatine, Muscatine	0	0	0	0	0	0	1,318,000	1,318,000	0
Lansing Power Station, Lansing, Allamakee	0	0	0	0	111,868	0	1,238,111	1,349,979	0
George Neal South, Salix, Woodbury	0	0	0	0	0	0	1,226,000	1,226,000	0
Dubuque Power Plant, Dubuque, Dubuque	0	0	0	0	72,252	0	659,459	731,711	0
City of Ames Power Plant, Ames, Story	0	0	0	0	0	0	369,990	369,990	3
Fair Station, Montpelier, Muscatine	0	0	0	0	0	0	342,300	342,300	2
Sixth Street Generating Station, Cedar Rapids, Linn	0	0	0	0	32,000	0	318,413	350,413	2

\*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.